

DSC-HX200V/B

Frame your shots like a pro with the DSC-HX200V. Its 18MP sensor and 30X optical/60X Clear Image zoom capture breathtaking photos at up to 10fps, plus ultra-stabilized Full HD 1080/60p videos. High Speed Focus improves AF speed and accuracy, while a GPS and compass record location and shot direction so you can share your trips online.

18.2 Megapixel Back-illuminated Exmor® R CMOS Image Sensor

The 18.2MP Exmor® R CMOS sensor captures ultra-high definition images that take full advantage of the camera's sharp Carl Zeiss® Vario-Tessar® lens. The sensor enables advanced processing that reduces noise levels resulting in stunning low light images with incredible details.

High speed AF

To improve focusing speed and sensitivity, the Exmor® R CMOS sensor uses its rapid throughput to deliver high-quality image signals to the camera's BIONZ® processor. The result is fast, DSLR-like focusing speeds, even in low light.

Optical zoom plus Clear image zoom

Most digital zooms use electronic cropping to get closer to the subject, resulting in unsharp images. With Clear Image Zoom the powerful processor compares patterns found in adjacent pixels and creates new pixels to match selected patterns, resulting in more realistic, higher-quality images. Clear Image Zoom doubles optical zoom for closer photos.

Full HD 1080/60p

Record crystal clear movies at the highest resolution available with capabilities for 60p in 1080.3 This provides stunning, fast motion video with less distortion for playback on your HD TV.2 With dual record of stills and movies, you can shoot both at the same time.

Optical SteadyShot™ image stabilization with 3-way Active Mode

Optical SteadyShot™ image stabilization reduces shake and blur by countering camera movements in both horizontal and vertical directions. Active 3-Way stabilization adds digital rolling control that counters clockwise and anti-clockwise rotation, resulting in more stable videos even at long focal lengths.

GPS and Compass

GPS and compass record location data and camera direction as you shoot movies and photos. GPS Log lets users track a photographic journey and later view the path and images on a map. Map View in "PlayMemories Home" software, allows users to view images on a map showing where they were taken. The logged path and images can also be displayed on Google Earth.

Capture the decisive moment with up to 10fps

Capture full 18.2 megapixel resolution images at up to 10 frames per second, helping to ensure that the decisive moment is captured such as the soccer ball flying into the goal. In addition, a mechanical shutter helps reduce distortion when continuously shooting moving subjects.

3D still image and 3D Sweep Panorama™ mode

Produce awe-inspiring images with 3D still image and 3D Sweep Panorama™ capabilities.3 Photos will take on a new dimension of creative capabilities for viewing the world in a whole new way.

Picture Effect for more expressive photos

Picture Effect adds a new level of expression to photos, making ordinary landscapes and portraits come to life by heightening mood and emphasizing certain attributes. Select camera models have up to nine different effects.

Photo Creativity

Photo Creativity allows you to fine-tune your exposure settings, such as brightness, color, and vividness, and quickly choose the right enhancement for your subject. Now you can view Picture Effects and Photo Creativity effects in real time on the camera's monitor or in the viewfinder before shooting.

Background Defocus

DSLR photographs are often beautiful because they blur the background, putting the emphasis on the subject. Now our point-and-shoot cameras can deliver this signature DSLR benefit. The system takes two shots, identifies the background and applies a defocused background keeping the subject crisp and clear

Intelligent Sweep Panorama™ HR mode

Specifications

Camera			
Camera Type	High zoom		
Imaging Sensor			
Imaging Sensor	1/2.3" Exmor® R CMOS Sensor		
Processor	BIONZ®		
Pixel Gross	18.9MP		
Effective Picture Resolution	18.2MP		
Color Filter System	RGB primary color filters		
Recording			
Media Type	optional "Memory Stick Duo" (No movie recording), optional "Memory Stick PRO Duo" (Mark 2 only for movie recording), optional "Memory Stick PRO-HG Duo", optional SD Memory Card (Class 4 or higher), optional SDHC Memory Card (Class 4 or higher), optional SDXC Memory Card (Class 4 or higher)		
Still Image Max Effective Resolution	Approx. 18.2 Megapixels		
Still Image Size 16:9	13M(4896x2,752) / 2M(1,920 x 1,080)		
Still Image Size 4:3	18M(4,896x3,672) / 10M(3,648 x 2,736) / 5M(2,592 x 1,944) / VGA		
Panorama Still Image Size	Sweep		
Sweep Multi Angle Image Size	2M (1,920 x 1,080)		
Video Mode	AVCHD 60i:28M		
Photo Capture from Movie	Yes		
Dual Record	Yes		
Audio Format	AC3 (Stereo)		
Microphone/ Speaker	Stereo/mono		
Wind Noise Reduction	Off/on		
Optics/Lens			
Lens Type	Carl Zeiss® Vario-Tessar®		
Aperture	f 2.8-5.6		
Optical Zoom	30x		
Focal Length (35mm equivalent)	Still 16:9: 29-870mm / Still 4:3: 27-810mm / Movie 16:9:		
Lens Construction	11 elements in 10 groups(including 1 ED glass element and 1 aspheric element)		
Minimum Focus Distance			
Aspheric Elements	1		
Clear Image Zoom	60x		
Steady Shot Mode:Active	Yes		
Viewfinder			
Type	Optical (0.2 type), 201K dots equivalent)		
LCD Display			
LCD Type	3.0" Xtra Fine LCD™ TruBlack™ display (921K dots)		
Brightness Control	5(Bright) / 4 / 3(Normal) / 2 / 1(Dark)		
Histogram	Yes		
Grid Display	Yes (Off / On)		
Focus Control			
AF Modes	Multi Point AF / Center Weighted AF / Flexible Spot AF / Manual / Tracking Focus / Face Tracking Focus		
AF Illuminator	Auto / Off		
Exposure System			
Metering Modes	Multi Pattern / Center Weighted / Spot		
Exposure Compensation	Plus / Minus 2.0EV, 1 / 3EV step		
Scene Mode(s)	High Sensitivity / Soft snap / Soft Skin / Landscape / Night Portrait / Night Scene / Handheld Twilight / Gourmet / Beach / Snow / Fireworks / Pet mode / Anti-motion blur / Backlight Correction HDR / Advanced sports shooting		
D-Range Optimizer	Standard		
ISO	Auto/100/125/160/200/250/320/400/500/640/800/1000/1250//1600/2000/2500/3200/4000/5000/6400/8000/10000/12800		
White Balance Mode	Auto (Intelligent) / Daylight / Cloudy / Fluorescent 1 (White Fluorescent Lighting) / Fluorescent 2 (Natural White Fluorescent Lighting) / Fluorescent 3 (Day White Fluorescent Lighting) / Incandescent / Flash / One Push, One Push Set / White balance shift		
Drive System			
Self-timer	Off / 10sec. / 2sec. / portrait1 / portrait2		
Shutter Speeds	iAuto(4" - 1/4000) / Program Auto(1" - 1/4000) / Shutter Priority(30" - 1/4000) / Aperture Priority(8" - 1/2000) / Manual(30" - 1/4000)		
Burst Mode	Approx 10 fps at 18.2MP (Maximum 10 shots)		
Flash			
Flash Modes	Auto / Flash On / Slow Synchro / Rear Slow Synchro / Flash Off		
Flash Coverage	ISO Auto: Approx.0.3m to 12.4m(11 7/8 inches to 40 feet 8 1/4 inches)(W) / Approx.2.0m to 5.9 m(6feet 6 3/4 inches to 19 feet 4 3/8 inches)(T), ISO3200: up to Approx.17.5 m(57 feet 5 1/8 inches)(W) / Approx.8.4 m(27 feet 6 3/4 inches)(T)		
Convenience Features			
Red-Eye Reduction	Auto / On / Off		
Erase/Protect	Erase: Single / Select / Date / Folder / AVCHD, Protect: Single / Select / Date / Folder / AVCHD		
Red-Eye Reduction	Auto / On / Off		
Erase/Protect	Erase: Single / Select / Date / Folder / AVCHD, Protect: Single / Select / Date / Folder / AVCHD		
Advanced Features			
Anti Motion Blur	Yes		
Sweep Panorama	Intelligent Sweep Panorama / 3D Sweep Panorama		
Face Detection	8 Faces (Auto / Off / Child Priority / Adult Priority / Key Selected Face Memory)		
Smile Shutter™ technology	Yes		
Image Stabilization	Optical SteadyShot™ with 3-way Active Mode Image Stabilization		
In-Camera Editing	Trimming / Red Eye Correction / Unsharp Masking		
Intelligent Auto	Yes		
Shooting Tips	Yes		
Background Defocus	Yes		
Tracking Focus	Off / Auto		
Blink Detection	Yes		
Photo Creativity	Yes		
Interface			

1. Records in 29 minute segments
2. Requires HDTV and HDMI cable sold separately
3. Requires 3D HDTV, HDMI cable (at least 10.2 Gbps) and active 3D glasses sold separately.
4. Combined with electronic stabilization

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